Amendments to the Claims

Claim 1 **(Currently Amended)** An optical disk device for recording/reproducing data on/from an optical disk, the optical disk device comprising:

a driver IC for driving a recording/reproduction driving system;

a monitor circuit for monitoring a junction temperature of a chip of ~~a~~ the driver IC ~~for driving a recording/reproduction driving system,; and~~

a comparison circuit for comparing an output of the monitor circuit with an arbitrary set temperature and outputting a temperature flag as a comparison result~~, which circuits are included in the driver IC~~; and

a CPU for controlling the operation of the ~~entire~~ optical disk device and ~~as well as~~ monitoring the temperature flag outputted from the comparison circuit, ~~said~~ the CPU performing a control so as to continue driving of the optical disk device when the junction temperature is lower than the arbitrary set temperature, and performing a control so as to suppress heat generation of the driver IC when the junction temperature is equal to or higher than the arbitrary set temperature,

wherein the monitor circuit and the comparison are included in the driver IC.

Claim 2 **(Currently Amended)** The optical disk device as defined in Claim 1, wherein

the driver IC includes ~~including:~~

a spindle driver IC, a traverse driver IC, and an actuator driver IC ~~as the driver IC~~.

Claim 3 **(Currently Amended)** The optical disk device as defined in Claim 1, wherein

~~wherein~~the driver IC includes a spindle driver IC and the spindle driver IC internally ~~has~~ includes the monitor circuit and the comparison circuit, and

the CPU exerts a control for suppressing heat generation of the spindle driver IC ~~is exerted~~ so as not to perform a forced acceleration or a forced deceleration of the optical disk for an arbitrary period of time.

Claim 4 **(Currently Amended)** The optical disk device as defined in Claim 1, wherein

~~wherein~~the driver IC includes a spindle driver IC,

the spindle driver IC internally ~~has~~ includes the monitor circuit and the comparison circuit, and

the CPU exerts a control for suppressing heat generation of the spindle driver IC ~~is exerted~~ so that a free run state of the optical disk is included ~~in~~ with changes in revolution of the optical disk.

Claim 5 **(Currently Amended)** The optical disk device as defined in Claim 1, wherein

~~wherein~~the driver IC includes an actuator driver IC,

the actuator driver IC internally ~~has~~ includes the monitor circuit and the comparison circuit, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC ~~is exerted~~ so as to reduce ~~the~~ a number of revolutions of the optical disk.

Claim 6 **(Currently Amended)** The optical disk device as defined in Claim 2 ~~1~~, wherein

~~wherein~~ the spindle driver IC internally ~~has~~ includes the monitor circuit and the comparison circuit, and

the CPU exerts a control for suppressing heat generation of the spindle driver IC ~~is exerted~~ so as not to perform a forced acceleration or a forced deceleration of the optical disk for an arbitrary period of time.

Claim 7 **(Currently Amended)** The optical disk device as defined in Claim 2,

wherein the spindle driver IC internally ~~has~~ includes the monitor circuit and the comparison circuit, and

the CPU exerts a control for suppressing heat generation of the spindle driver IC ~~is exerted~~ so that a free run state of the optical disk is included ~~in~~ with changes in revolution of the optical disk.

Claim 8 **(Currently Amended)** The optical disk device as defined in Claim 3, further comprising:

an additional monitor circuit; and

an additional comparison circuit, wherein

~~wherein~~the driver IC includes a spindle driver IC,

the spindle driver IC internally ~~has~~ includes the additional monitor circuit and the additional comparison circuit, and

the CPU exerts a control for suppressing heat generation of the spindle driver IC ~~is exerted~~ so that a free run state of the optical disk is included ~~in~~ with changes in revolution of the optical disk.

Claim 9 **(Currently Amended)** The optical disk device as defined in Claim 6, further comprising:

an additional monitor circuit; and

an additional comparison circuit, wherein

~~wherein~~

the spindle driver IC internally ~~has~~ includes the additional monitor circuit and the additional comparison circuit, and

the CPU exerts a control for suppressing heat generation of the spindle driver IC ~~is exerted~~ so that a free run state of the optical disk is included ~~in~~ with changes in revolution of the optical disk.

Claim 10 **(Currently Amended)** The optical disk device as defined in Claim 2,

wherein the actuator driver IC internally ~~has~~ includes the monitor circuit and the comparison circuit, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC ~~is exerted~~ so as to reduce ~~the~~ a number of revolutions of the optical disk.

Claim 11 **(Currently Amended)** The optical disk device as defined in Claim 3, further comprising:

an additional monitor circuit; and

an additional comparison circuit, wherein

~~wherein~~the driver IC includes an actuator driver IC,

the actuator driver IC internally ~~has~~ includes the additional monitor circuit and the additional comparison circuit, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC ~~is exerted~~ so as to reduce ~~the~~ a number of revolutions of the optical disk.

Claim 12 **(Currently Amended)** The optical disk device as defined in Claim 6, further comprising:

an additional monitor circuit; and

an additional comparison circuit, wherein

~~wherein~~ the actuator driver IC internally ~~has~~ includes the additional monitor circuit and the additional comparison circuit, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC ~~is exerted~~ so as to reduce ~~the~~ a number of revolutions of the optical disk.

Claim 13 **(Currently Amended)** The optical disk device as defined in Claim 4, further comprising:

an additional monitor circuit; and

an additional comparison circuit, wherein

~~wherein~~the driver IC includes an actuator driver IC,

the actuator driver IC internally ~~has~~ includes the additional monitor circuit and the additional comparison circuit, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC ~~is exerted~~ so as to reduce ~~the~~ a number of revolutions of the optical disk.

Claim 14 **(Currently Amended)** The optical disk device as defined in Claim 7, further comprising:

an additional monitor circuit; and

an additional comparison circuit, wherein

~~wherein~~ the actuator driver IC internally ~~has~~ includes the additional monitor circuit and the additional comparison circuit, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC ~~is exerted~~ so as to reduce ~~the~~ a number of revolutions of the optical disk.

Claim 15 **(Currently Amended)** The optical disk device as defined in Claim 8, further comprising:

a second additional monitor circuit; and

a second additional comparison circuit, wherein

the driver IC includes an actuator driver IC,

~~wherein~~ the actuator driver IC internally ~~has~~ includes the second additional monitor circuit and the second additional comparison circuit, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC ~~is exerted~~ so as to reduce ~~the~~ a number of revolutions of the optical disk.

Claim 16 **(Currently Amended)** The optical disk device as defined in Claim 9, further comprising:

a second additional monitor circuit; and

a second additional comparison circuit, wherein

~~wherein~~ the actuator driver IC internally ~~has~~ includes the second additional monitor circuit and the second additional comparison circuit, and

the CPU exerts a control for suppressing heat generation of the actuator driver IC ~~is exerted~~ so as to reduce ~~the~~ a number of revolutions of the optical disk.